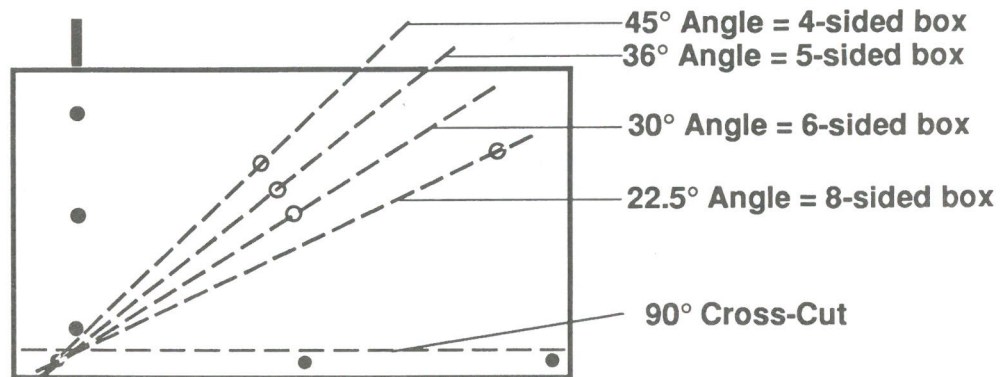




Cross-Cut Sliding Table

516524

PRESET ANGLES FOR CUTTING WITH THE CROSS-CUT SLIDING TABLE



Introduction

The Cross-Cut Sliding Table is designed for use with ShopsmithMark V table saw. It allows you to safely and easily cut precise angles of 22.5, 30, 36, 45 and 90 degrees. The above illustration shows the locations of the angle settings and which angle you need to make various-sided boxes.

Safety

Here are some safety warnings for the Cross-Cut Sliding Table which you should read and follow:

General Safety

WARNING

- Read, understand, and follow all the instructions in the manuals provided with the power equipment you are using.
- Always wear eye protection when you use power equipment.
- Use hearing protectors to avoid prolonged exposure to high noise levels.
- Use respiratory protection and dust collection to avoid respiratory injury and fire hazards.
- Always keep the appropriate protective guards in place when operating power equipment.
- Do not wear loose clothing, ties, gloves, or jewelry. Roll sleeves up above your elbows, wear non-slip footwear, and tuck long hair up, out of the way.

Set Up

WARNING

- Read, understand, and follow all instructions in your table saw Owner's Manual before using the Cross-Cut Sliding Table.

- Turn off and unplug the table saw before performing Assembly and Alignment instructions.

- Check the table saw and Cross-Cut Sliding Table alignment before performing any operation.

- Store the Cross-Cut Sliding Table on its fence edge and off the floor, away from moisture.

Operations

WARNING

- Always keep the guide bar of the Cross-Cut Sliding Table in the right miter gauge slot during operations.

- Always use an extension table when operating the Cross-Cut Sliding Table.

- Always support the workpiece on both the infeed and outfeed side of the table saw.

- Do not cut through the Cross-Cut Sliding Table.

- Always use the Cross-Cut Sliding Table with the fence behind the workpiece. Never have the fence in front of the board leading into the saw blade.

- Never try to cut a board shorter than 12" long, wider than 15" across, or longer than 8' in length.

PARTS LIST

Ref. No.	Part No.	Description	Qty.
1	514393	Button head cap screw, 1/4"-20 x 1/2"	6
2	516407	Fence	1
3	516406	Table	1
4		Guide Bar* (Shopsmith)	1

* Optional Purchase

Assembly and Alignment

Tools Needed:

- 5/32" Allen wrench
- Precision square
- Pencil or non-smearing pen

Please follow these instructions:

ATTACH THE GUIDE BAR*

1. Turn the table (3) so that the **long** side with three holes is **away** from you, and the **short** side with three holes is to your **left**.

2. Align the three holes in the guide bar (4) with the holes in the left side of the table, as seen in Fig. 1. Make sure the the guide bar's counterbored holes face up so they can accommodate the screw (1) heads.

3. Thread three cap screws (1) through the guide bar (4) and into the table's insert holes. Finger tighten.

ALIGN THE GUIDE BAR TO THE TABLE

4. Place a precision square against the guide bar and table. See Fig. 2.

5. When aligned, use a 5/32" Allen wrench to securely tighten the screw nearest the square, then do the same for the remaining two screws. Re-check the squareness and correct it, if needed by repeating Steps 4 and 5.

ATTACH THE FENCE

6. Turn the table over. Place the guide bar in the right miter gauge slot.

7. Place the fence (2) so that its short, drilled "leg" is toward you.

8. Align the three holes in the fence with the three holes along the edge of the table.

EXPLODED VIEW

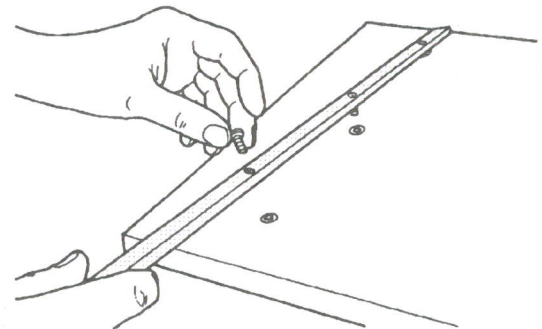
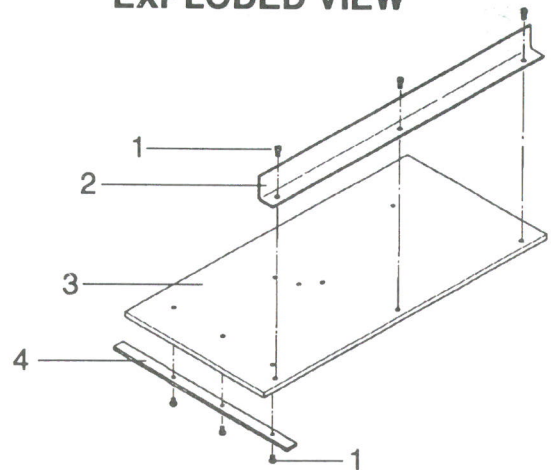


Fig. 1

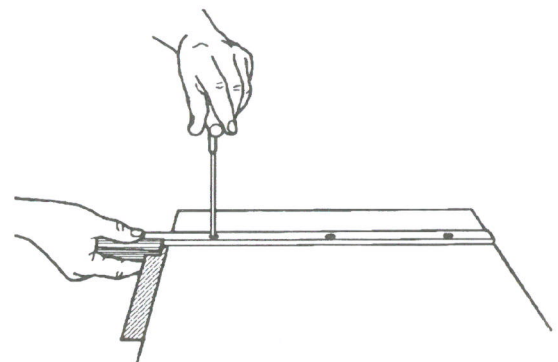


Fig. 2

9. Thread three socket head cap screws through the fence and into the table inserts. See Fig. 3. Finger tighten.

10. Expose as much of the saw blade as you can.

WARNING

The table saw should be turned off and unplugged when performing Steps 10- 13.

11. Place a precision square against both the fence and the side of the saw blade. See Fig. 4.

12. When the fence is perpendicular to the saw blade, use a 5/32" Allen wrench to securely tighten the closest screw to the square, then do the same for the remaining two screws. See Fig. 5. Re-check for squareness and repeat this step, if needed.

13. Lower the saw blade to the proper working height.

MAKE A PRACTICE CUT

14. Plug in the table saw.

15. To double-check the Cross-Cut sliding Table's fence alignment, use a board which has been squared on all four sides.

16. Place the back edge of the board against the fence, as seen in Fig. 6. Keep your hands and fingers on the side of the guide bar which is opposite the blade, as illustrated in Fig. 7. Turn on the table saw and make the cut. Fig. 8 shows the board being cut, and Fig. 9 shows the board being removed after the cut is made.

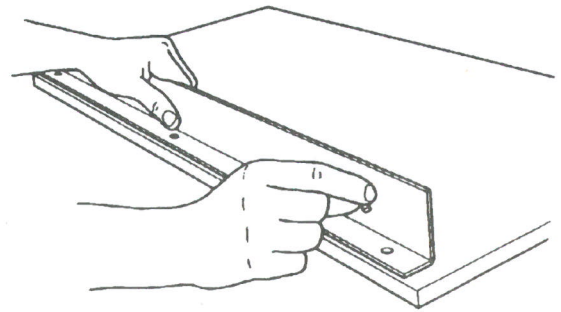


Fig. 3

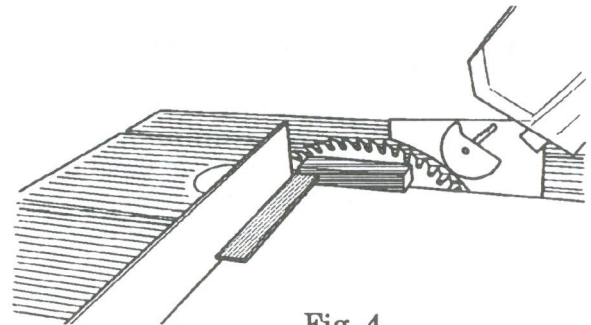


Fig. 4

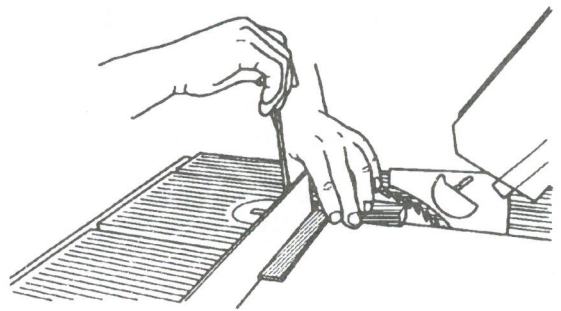


Fig. 5

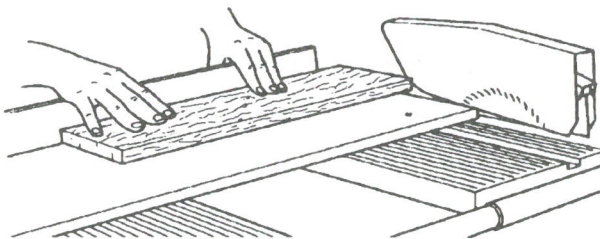


Fig. 6

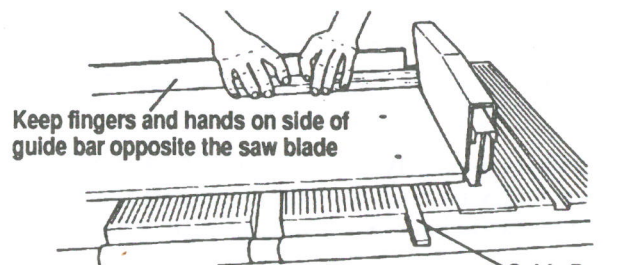


Fig. 7

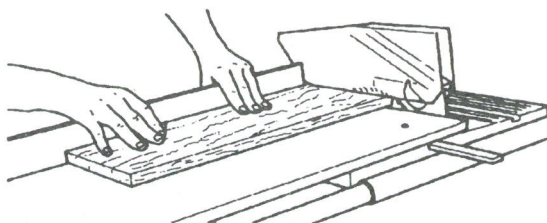


Fig. 8

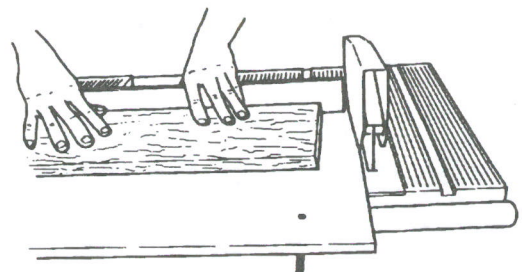


Fig. 9

17. Turn off the table saw.
18. Place a precision square against the cross-cut end and the edge, as seen in Fig. 10. If the board is not square, repeat Steps 10–17.
19. Use a pencil or non-smearing pen to mark a line along the fence onto the table. This will enable you to easily re-set the fence after you have moved it to another angle setting.

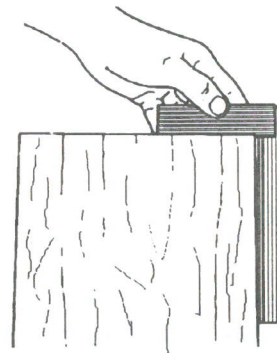


Fig. 10

Operations— Setting Alternative Angles

The Cross-Cut Sliding Table has four inserts in which you can adjust the fence for angles cuts of 22.5, 30, 36, 45 and 90 degree angles, as illustrated on the first page. While the Assembly and Alignment instructions detail how to set up the fence to a 90° cross-cut, and the procedure is the same for each of the other angles. Instead of making the final alignment with a 90° precision square, you will use a precision multi-angle gauge, as illustrated in Fig. 12.

To set up the Cross-Cut Sliding Table for 22.5°, 30°, 36° or 45° angles, follow these instructions:

WARNING

The table saw must be turned off and unplugged before doing the alignment instructions below.

1. Make sure the Cross-Cut Sliding Table is installed properly in the right miter slot on the table saw.
2. Remove the two fence screws farthest from the saw blade, and slightly loosen the screw nearest the saw blade.
3. Swing the fence so it lines up with the table holes for the angle you wish to cut.
4. Re-install the two fence screws, and finger tighten.
5. Place the multi-angle gauge against both the fence and the side of the saw blade. See Fig. 11.
6. When properly aligned, use a 5/32" Allen wrench to securely tighten the screw nearest the gauge, then do the same for the two remaining screws.
7. Use a pencil or non-smearing pen to mark a line along the fence onto the table. This will enable you to easily re-set the fence after you have moved it to another angle setting.

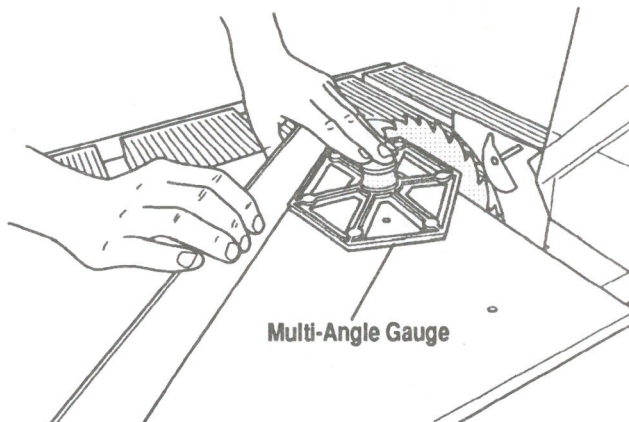


Fig. 11



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Note: If you have further questions or need help, visit the Shopsmith Store in your area, or call Customer Service:
Toll Free 1-800-762-7555

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